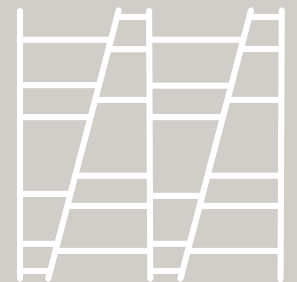


Protego Coating Solutions

- for the furniture industry -



A Complete System
for the furniture industry





Priming: Mono Stain Standard & Colour

Reactive Stain Colour

Lye

Wood Filler

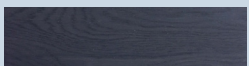
Reactive Stain



Reactive stain White



Reactive stain Grey



Reactive stain Black

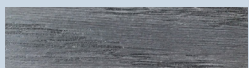


Reactive stain Blue

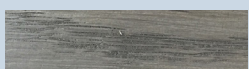
Reactive Stain White



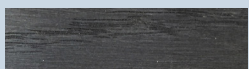
Nougat



Walnut



Olive

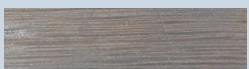


Black

Reactive Stain Grey



White 10%



Light Grey



Extra Grey



Dark Grey

Mono Stain Standard & Colour

PROTEGO Mono Stain Standard & Colour is a water based positive stain which is used for staining of furniture, panels and floors.

The stains are applied by dipping, in spraying cabins or on spraying lines or by roller coater. The special combination of the stains ensures that the stain liquid is distributed evenly and uniformly on the wood surface and penetrates easily and quickly. The stain combination also ensures that the colour intensity on cross-cuts and surface wood is the same. The stain is used on solid wood as well as veneered surfaces. The stain has a high degree of colour-fastness which means that there will be very little or no fading of the stained wood surfaces.

PROTEGO Mono Stain is a positive stain which enhances the natural grain of the wood. After staining, the colour of the wood grain is enhanced and clearer than in the natural state of the wood.



Reactive Stain

Through the application of Protego Reactive Stain or Protego Driftwood Lye a chemical reaction is made especially to European Oak. The result is a weathered appearance which can be further enhanced in combination with Protego Hard Oil Wax Colour.

Lye

Hardwood Lye and Softwood Lye are applied as primers to hardwood and softwood. Lye is preventing soft wood, i.e. pine and spruce, from maturing. At the same time it also enhances the natural grain of the wood and retains the naturally light colour - producing a white wash finish. Hardwood Lye is especially used on ash and oak to make it lighter and protect from yellowing. After priming with lye, the surface requires a finish with oil or lacquer. All primers can be applied with a sponge roller coater or spraying equipment on line. Manual application is possible too. Industrial Lye makes no chemical reaction to the wood but produces a white wash finish to oak generating a weathered appearance and is applied as described above.

Wood Filler

Protego Wood Filler is a regular paste filler produced with a fine grain texture and is easy to apply. The components are environmentally friendly and ensuring that users are not exposed to harmful components using the paste. Wood Filler is primarily used in the furniture industry for repairs of minor cracks and knots before final sanding of the surface. Paste is more economical in use compared to a powder. And cans may be opened and closed again for later use. Apply a suitable quantity of Wood Filler paste and pressed it thoroughly into the hole. When filled, leave to dry completely before sanding the area. Drying time depends on the size of the filling. After drying and sanding, the woodwork is ready for staining, oiling or lacquering.

Industrial Oil - 22 Colours

Master Oil - 15 Colours

WB Industrial Oil Natural, Colour Kitchenware Oil



Industrial Oil - 22 colours

Industrial Oil is based on a combination of plant oil components especially developed for production of hard-wearing wood surfaces. The oil has a solid matter content of approx. 60 per cent. It penetrates the grain of the wood ensuring a deep impregnation of the wood grain. Industrial Oil is for industrial finishing only. It is applied with semi-hard roller on finishing line. Quantity depends on the specific requirements. It requires brushing preferably before drying tunnel and buffing with hard brushes before packing. It requires approx. 3-6 minutes of drying time in tunnel at a maximum of 35 degrees Celsius. For coloured oils, the drying time is longer. It produces a smooth and resistant finish with protection against stains of any kind.

Master Oil - 15 colours

Master Oil is based on a combination of vegetable oil components especially developed for production of hard-wearing surfaces. The oil has a solid matter content of approx. 70 percent. It penetrates the grain of the wood easily ensuring a deep impregnation of the wood grain. Master Oil may be applied with semi-hard roller on finishing line. It may also be sprayed on line. Manual application is also possible. It requires polishing on line with brushes. It requires drying on racks over night. The surface is pre-hardened in approx. 4 hours.

Hydro Oil

Protego Hydro Oil is comparable to Protego Invisible Oil but it is formulated on natural resins from trees and is solvent based. It is a completely matt finish and with less enhancement of wood grain compared to a conventional oil. It is therefore often used in connection with reclaimed weathered wood where also the natural colour of the untreated substrate should be maintained. It may be applied industrially on finishing line with spraying guns or manually with brush or cloths.

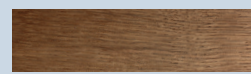
Water Based Industrial Oil

Water Based Industrial Oil is based on extracts from plants and seeds and is an environmentally friendly product with water as solvent, and unleaded drying agents. The water based oil has a solid matter content of more than 70 percent. It penetrates the wood surface easily which ensures a hard-wearing surface. Water Based Industrial Oil natural lends a warm colour to the wood with an enhancement of the grain and white leaves a white wash appearance to the surface. It may be dried in IR oven and requires buffing after drying tunnel. The water based oiled surface ensures a hard-wearing and resistant surface.

Kitchenware Oil

Protego Kitchenware Oil is a 100% natural and ecological product free from solvent and based on a combination oil components mixed with natural waxes. The product has a 100% solid matter content and exceptional impregnation properties and produces a strong and resistant surface. The oil impregnates the wood structure and protects the surface from inside whereas the wax is left on surface ensuring a smooth and soft finish. Kitchenware Oil is mainly used for articles of wood which comes in direct contact with food i.e. salad bowls, chopping boards. It characteristically produces a natural smooth surface which is easy to maintain with Protego Natural Oil Paste which is available in a tube. Kitchenware Oil is applied by hand or spraying gun. It is wiped, dried, and buffed before articles are packed.

Master Oil



Natural



Light Brown



Brazil Brown



Dark Brown



Extra White



Light Grey



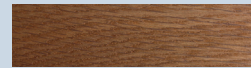
Extra Grey



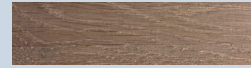
Castle Grey



Cream



Brandy



Nougat



Walnut



Bordeaux

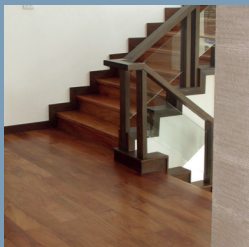


Black



Antique





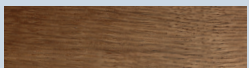
Hard Oil Wax

High Solid Master Oil

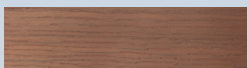
Invisible Oil

Hydro UV Oil Neutral

Hard Wax Oil



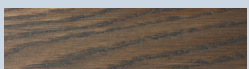
Natural



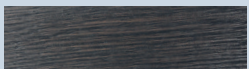
Nougat



white 5%



Light Grey



Dark Grey



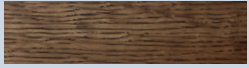
Olive



Silver



Brazil Brown



Caramel



Chocolate



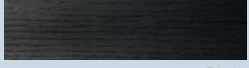
white 10%



Extra Grey



Walnut



Black



Light Brown



Bordeaux

Hard Oil Wax

Protego Hard Oil Wax is based on natural plant resins mixed with wax. We have carefully selected high quality natural resins and hard oil in order to offer a durable and resistant coating observing high environmental standards for your and our benefits.

With Protego Hard Oil Wax you can both oil and colour your furniture in one operation. With Hard Oil Wax natural the wood remains with its natural colour although the grain is enhanced and protected by both the oil which penetrates the grain and the wax which is left on surface for additional protection. Protego offers 15 different colours and in addition, you may mix colours in order to generate your own special variations.

If you do not find the right colour for your special requests, you may alternatively prime with one of the reactive stains and wood lyes. These stains will react with the wood and develop a colour which after drying will form the basis for application of Hard Oil Wax colour. The combinations are endless and only your imagination sets the limits

High Solid Master Oil

Protego High Solid Master Oil is ideal for basic finishing of unfinished, new and newly sanded interior wood work. The Oil is suitable for any type of wood furniture and kitchen furniture. It is recommended to be applied on industrial line due to fast drying.

High Solid Master Oil is available in Natural, White and Extra White. White and Extra White are mainly used on light wood species

Invisible Oil

Water Based Invisible Oil natural is an environmentally friendly product based on modified vegetable oil components with water as solvent, and unleaded drying agents. The water-based oil has a solid matter content of more than 70 %. It penetrates the wood surface easily, which ensures a hardwearing and durable surface. Invisible Oil natural leaves the wood appearing untreated, ensures maximum protection of the surface and can be easily maintained with Protego Furniture Soap.

The properties of the oil ensure easy penetration and an elastic finish in the grain system of the wood. The oiled furniture is highly suitable for residential and commercial furniture which can be easily maintained and cleaned if necessary.

Invisible oil can be applied manually or on coating line with spray guns. It can be dried in IR oven with intermediate sanding and second application before final buffing. The effect is a finish which leaves the wood appearing untreated in its natural colour which is for many consumers very attractive.

Hydro UV Oil Neutral

Market requirements have requested an invisible oil which can be cured by UV on industrial finishing lines. With Protego Hydro UV Oil Neutral these requirements can be met and it produces a strong and easy to maintain surface. The finish produced is 100% neutral and leave the surface appearing untreated and natural.

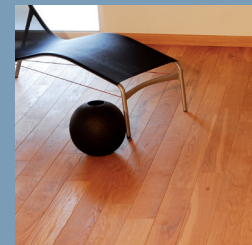
Protego Hydro UV Oil Neutral is based on natural oil emulsions and is free from formaldehyde. The Hydro UV Oil has a solid matter content of approx. 60% and is extremely easy to operate on industrial finishing line. It ensures an extremely hard-wearing coating and is suitable for both residential and commercial areas with heavy wear.

Water based Lacquer:

Pro Lac Primer, Topcoat (PU - Acrylic Copolymer 1K)

Pro HQ Primer, Topcoat (PU Water based 1K)

Pro Traffic, Topcoat (PU Water based 2K)



Pro Lac (Primer, Topcoat)

Protego Pro Lac WB is a water based urethane acrylic lacquer for Wood is almost odourless, and very fast drying for spray application. The bonding abilities ensure a strong surface which cures and turns highly durable. Pro Lac WB urethane acrylic lacquer is for indoor lacquering of wood such as any type of wood furniture, panels, and doors. Protego Pro Lac can be used on all wood species such as oak, rubber wood and pine. Wood species with high concentration of tannin acid require an application of Protego Primer or Protego Tannin Blocker before coating with Pro Lac. Protego Pro Lac is available at various gloss levels.

Pro HQ (Primer, Topcoat)

Pro HQ is a water based urethane lacquer for wood and almost odourless, and very fast drying. The bonding abilities ensure a strong surface which cures and turns highly durable. Pro HQ urethane lacquer is for indoor varnishing of wood such as any type of wood furniture, panels, doors, kitchen furniture etc. Protego Pro HQ can be used on all wood species such as oak, ask and pine. Wood species with high concentration tannic acid require an application of Protego Primer or Protego Tannin Blocker before coating with Pro HQ.

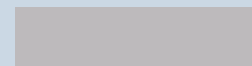
Protego Pro HQ is available at various gloss levels.

Pro Traffic 2K Topcoat

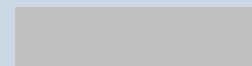
Protego PRO Traffic is water-based lacquer for furniture for spray application, odourless, non-yellowing, tintable and hard-wearing. PRO Traffic is based on a special polyurethane acrylic binder with "self crossing" properties which result in a very hard-wearing and strong surface. The lacquer is highly suitable for any type of furniture including interior wood generally where high wear properties are required. PRO Traffic is highly resistant to chemicals and water and has good adhesion properties also on previously treated furniture. PRO Traffic wood furniture Lacquer is used for lacquering of all interior wood, both untreated and previously lacquered and stained wood, such as furniture, panels, doors, and staircases etc.



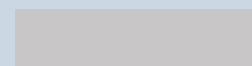
Available : Gloss



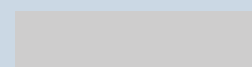
Gloss 5%



Gloss 10%



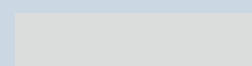
Gloss 20%



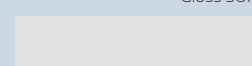
Gloss 30%



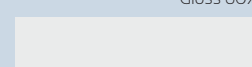
Gloss 40%



Gloss 50%

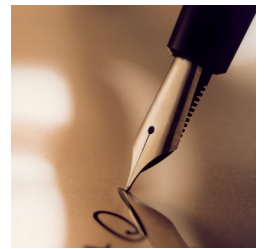


Gloss 60%



Gloss 70%

Certified and Approved Quality



Protego International focuses on supplying the finest and most environmentally friendly products in its field.

Protego International products are certified and approved by various institutes in Europe and Singapore. These institutes approve all types of coating and building materials used in residential and commercial areas. In an attempt to meet the ecological requirements of increasingly environmentally conscious customers, Protego International has made further developments to the oils for wood floors and for exterior wood. All our products are meeting the European regulations on volatile organic components.

All our products are either free of VOC or with a minimum quantity in order not to compromise the quality of the product. Step by step we will make all our products free of VOC at such time as we feel comfortable with the quality of our products for the benefit our customers. We feel that this is an important ecological development in the protection of our working and living environment.

Furthermore the wood care products of Protego International are approved in accordance with the Singapore Green label standard and German Standard DIN 53 160 and the European standard EN 71-3 for use in living environment.

VOC free oils have the following features:

- The same advantageous characteristics and application methods as before
- Positive influence on the working area and living environment
- Improvement of product characteristics and application methods
- Recommended by European and Singaporean Institutes for building materials



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